

# SEQUENCE LISTING

<119> Allbritton, Nancy  
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Krasieva, Tatiana B  
Tromberg, Bruce J  
Lee, Chao L

<120> Method and Apparatus for Detecting Enzymatic Activity Using Molecules That Change Electrophoretic Mobility

<130> PG77b; UC98-044-4

<140> 00/859,650

<141> 2001-08-30

<150> US 09/353,504

<151> 1999-07-21

<150> US 09/036,706

<151> 1998-03-06

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 13

<212> PEP

<213> Artificial

<220>

<221> Consensus inhibitor sequence from Protein Kinase C

<400> 1

Arg The Ala Arg Lys Gly Ala Leu Arg Gln Lys Asn Val  
1 5 10

<210> 2

<211> 13

<212> PRT

<213> Artificial

<220>

<221> Modified version of SEQ ID NO:1 (serine replaces alanine) which acts as reported molecule for protein kinase C.

<400> 2

Arg Phe Ala Arg Lys Gly Ser Leu Arg Gln Lys Asn Val  
1 5 10

0210: 3  
0211: 13  
0212: PRT  
0213: Artificial

0220:  
0223: based on phosphorylation site of delta-CREB (Colbran et al., Biochem. Cell Bio. 70:1277-82 (1992))

0400: 3

Lys Arg Arg Glu Ile Leu Ser Arg Arg Pro Ser Tyr Arg  
1 5 10

0410: 4  
0411: 12  
0412: PRT  
0413: artificial

0420:  
0423: consensus phosphorylation site and reporter for cdc2 kinase. (Srinivasan et al, Biochemical J. 309:927-31 (1995)).

0400: 4

Gly Gly Gly Arg Ser Pro Gly Arg Arg Arg Arg Lys  
1 5 10